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M. ROBERT KESTENBAUM

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M. ROBERT KESTENBAUM, LLC
PATENT AND TRADEMARK MATTERS

FACSIMILE TRANSMITTAL SHEET

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| TO: | FROM: |
| Examiner Boles | M. Robert Kestenbaum |
| COMPANY: | DATE |
| Commissioner for Patents | October 4, 2004 |
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| PHONE NUMBER: | SENDER'S REFERENCE NUMBER: |
| (703) 308-1804 | (WW) 28538 P US |
| RE: | YOUR REFERENCE NUMBER: |
| Further Amendment | 10/667,101 |

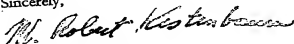
NOTES/COMMENTS:

Dear Examiner Boles:

I am faxing a further Amendment in response to the Office Action mailed July 1, 2004. This further Amendment makes a change to amended claim 1 as noted in the Remarks.

Thank you for considering this submission.

Sincerely,



M. Robert Kestenbaum
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re: US Patent Application
Filed
Applicant
Art Unit
Confirmation No.
Examiner
Telephone
Fax
Attorney Docket

10/667,101
September 20, 2003
Kaupert
3749
8550
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Mail Stop - Response
Commissioner for Patents
P. O. Box 1450
Alexandria, Virginia 22313-1450

Further Amendment

Dear Examiner Boles:

This Further Amendment responds to the Office Action mailed July 1, 2004.

A complete set of claims in this application is attached hereto.

Claim 5 and 6 will be allowable if rewritten in independent form.

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10/667,101 Further Response to Office Action mailed July 1, 2004

1. (Currently Amended) A heating system for a vehicle, comprising:
a reformer arrangement (12) for producing hydrogen from a hydrocarbon/mixed material mixture,
a burner arrangement (14) for reception of hydrogen produced in the reformer arrangement (12) and combustion thereof, and
a heat exchanger arrangement (16) for transferring combustion heat produced in the burner arrangement (14) to a heating medium,
wherein hydrogen feeding means (14, 16; 52, 54, 58) are provided for feeding hydrogen produced in the reformer arrangement (12) to at least one further hydrogen-consuming system (46, 60), said at least one further hydrogen-consuming system (46, 60) comprising at least one an exhaust-gas after-treatment system (46) for an internal combustion engine (44) and for of a fuel cell system (60), said hydrogen feeding means (52, 54, 58) comprising hydrogen distributing means (52) for distributing hydrogen produced in the reformer arrangement (12) to the burner arrangement (14) and the at least one further hydrogen-consuming system (46, 60).
2. (Original) The heating system as claimed in claim 1, wherein a flame trap (22) is arranged between the reformer arrangement (12) and a combustion chamber (24) of the burner arrangement (14).
3. (Cancelled) ~~The heating system as claimed in claim 1, wherein hydrogen feeding means (14, 16; 52, 54, 58) are provided for feeding hydrogen produced in the reformer arrangement (12) to at least one further hydrogen-consuming system (46, 60);~~

4. (Cancelled) ~~The heating system as claimed in claim 3, wherein the at least one further hydrogen-consuming system (46, 60) comprises an exhaust gas after treatment system (46) for at least one of an internal combustion engine (44) and a fuel cell (60).~~
5. (Cancelled) ~~The heating system as claimed in claim 3, wherein the hydrogen feeding means (52, 54, 58) comprise hydrogen distributing means (52) for distributing hydrogen produced in the reformer arrangement (12) to the burner arrangement (14) and the at least one further hydrogen-consuming system (46, 60).~~
6. (Currently Amended) The heating system as claimed in claim 5 1, wherein the ratio of distribution of the hydrogen distributing means (52) can be changed.
7. (Currently Amended) The heating system as claimed in claim 3 1, wherein the hydrogen feeding means (14, 16) connect an outlet region of the burner arrangement (14) to the at least one further hydrogen-consuming system (46).
8. (New) A heating system for a vehicle, comprising:
a reformer arrangement (12) for producing hydrogen from a hydrocarbon/mixed material mixture,
a burner arrangement (14) selectively connectable to the reformer arrangement for reception of hydrogen produced in the reformer arrangement (12) and combustion thereof, and
a heat exchanger arrangement (16) for transferring combustion heat produced in the burner arrangement (14) to a heating medium, and
a fuel cell system (60), arranged for receiving hydrogen produced in the reformer arrangement (12) for generating electricity, said burner arrangement (14) and/or said heat exchanger arrangement (16) being connected or connectable to said fuel cell system (60)

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for introducing exhaust gases produced in the burner arrangement (14) into the fuel cell system (60).

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